IN THE SPECIFICATION:

Please replace the paragraph at page 11, line 22 to page 12, line 1 with following:

When protein A (4a) interacts with protein B (4b) in the presence of the probes for protein-protein interaction analysis (i.e., probes 1a, 1b) of the present invention, the inteins ~~are preferably site-specific endonucleases for facilitating automatic intein excision~~ facilitate an autocatalytic splicing reaction.

Please replace the paragraph at page 17, lines 12-14 with following:

(1) I129C and E125I mutation (hereinafter referred to as "m125") in EGFP showed fluorescence, and excitation and emission peaks equivalent to those of EGFP at 488 nm and 510 nm were observed.

Please replace the paragraph at page 17, lines 15-16 with following:

(2) Fluorescence disappeared with L126Y mutation at m125 (hereinafter referred to as "m126"), although the expression level of the mutant did not vary.

Please replace the paragraph at page 18, lines 6-13 with following:

(1) Cells of ~~E. coli~~ E. coli DH5 were incubated to express a glutathion S-transferase fused protein(GST). A plasmid that covers the VDE region and the – and C-terminal polypeptides of the EGFP mutant was fused to the GST gene under control or a tac promoter. A cDNA that encodes the N-terminal polypeptide of m125 mutant GFP (1-128 amino acids), VDE (1-454), and C-terminal polypeptide of m125 GFP (129-238 amino acids) was used. This produced a chimera protein consisting of GST (26 kDa), 125 residues from the N-terminal of the EGFP mutant (13 kDa), VDE (50 kDa) and the C-terminal polypeptide of the mutant (14 kDa).